ÖKO_FAVORIT 3130

AEG

Lavavajillas

Dishwasher

Instrucciones para el uso

Operating instructions

AUS
ERFAHRUNG
GUT

Dear customer!

Before you operate your dishwasher, please read through these operating instructions carefully. They contain important information for your safety as well as operation and maintenance of your machine.
For this small trouble, your dishwasher will reward you with faultless performance.

Should your dishwasher ever have a fault, please look it up in the section on "If you think your dishwasher is not working properly". In many cases, you can rectify minor faults yourself and thus save yourself unnecessary service costs.

Keep the operating instructions in a safe place for future reference, and give them to any future owners of your dishwasher.

Printed on recycled paper.
AEG – putting words into action.

SGK GB/EU

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The safety of AEG electrical appliances conforms to accepted rules of technology and the Appliance Safety Act. We as manufacturers, however, see ourselves as being obliged to familiarise you with the following safety instructions.

Using your dishwasher for its intended purpose

- ❒ Only use your dishwasher for machine washing of household crockery. If your machine is misused or used for any purposes other than that for which it is intended, the manufacturer cannot be held liable for any damage caused.
- ❒ For safety reasons, you should not convert or modify your dishwasher in any way.

Before using your dishwasher for the first time

- ❒ Check your dishwasher for any transport damage. Never connect a damaged machine. If your dishwasher is damaged, you should contact your supplier.
- ❒ Your dishwasher must be correctly installed and connected. Please read the section on "Installation" to make sure you know all about this.
- ❒ Before using your dishwasher for the first time, do not forget that the nominal voltage and current type indicated on the rating plate of your machine must be the same as the nominal voltage and current type at the installation site. The necessary electrical fusing is also given on the rating plate.

Child safety

- ❒ Packaging parts (e.g. foils, styrene foam) may be dangerous for children, as it could lead to suffocation! You should therefore keep all packaging well away from children.
- ❒ Children may not recognise the dangers of improper use of electrical appliances. You should therefore ensure proper supervision during operation and not allow your children to play with your dishwasher.
- ❒ Detergents may have a caustic effect on eyes, mouth, and throat and may even cause suffocation! Keep all detergents in a safe place out of children's reach.
- ❒ The water in your dishwasher should not be used for drinking. Detergent residues may still be present in your machine. Make sure you do not splash these caustic residues onto your skin or suffocate yourself! Keep children well away from your dishwasher when its door is open.

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Your dishwasher in day-to-day use

- ❒ The water protection system ensures reliable protection against water damage, though this implies the following conditions being fulfilled:
  - The mains connection must be retained even when your dishwasher is switched off.
  - Your dishwasher must be properly installed.
  - Always turn off the water tap if your dishwasher is left unattended for any length of time.
- ❒ Never operate your dishwasher if the electrical supply lead, supply or drain hose, control panel, worktop, or plinth are damaged.
- ❒ In case of a fault, first turn off the water tap. Then switch off your machine and pull the plug out of the plug socket. If there is a fixed connection, switch off or unscrew the fuse(s).
- ❒ Never pull the plug out of the plug socket by the supply lead, but by the plug itself.
- ❒ Dishwasher repairs should only be performed by trained personnel. Improper repairs may seriously endanger the user. If your dishwasher needs to be repaired, you should contact our service centre or your retailer.
- ❒ If the connection lead of your dishwasher is damaged, it must be replaced by the special lead through your AEG-authorised service centre.
- ❒ Never place any solvents in your dishwasher, or you may cause an explosion!
- ❒ Do not rest or sit on the open door, or you machine could tilt.
- ❒ The heating elements on the floor of the dishwasher remain hot for some time after machine washing. Take care you do not scald yourself! Do not touch the heating elements.
- ❒ Before using special dishwasher salt, detergent, and rinse aid, make sure that the manufacturer of these products expressly specifies their use in domestic dishwashers.
- ❒ The high temperature in the immediate vicinity of the heating element may deform or even melt plastic parts. Do not arrange any plastic parts in the lower basket above the heating element.
- ❒ Always turn off the water tap when your dishwasher is left unattended for any length of time, e.g. when you are away on holiday.
- ❒ The dishwasher should only be transported upright. Any tilting during transport may lead to salt water flowing into the dishwasher, which could result in rusting.

Disposing of the packaging

Our dishwashers require effective protective packaging in transit, though we always confine ourselves here to what is absolutely necessary.

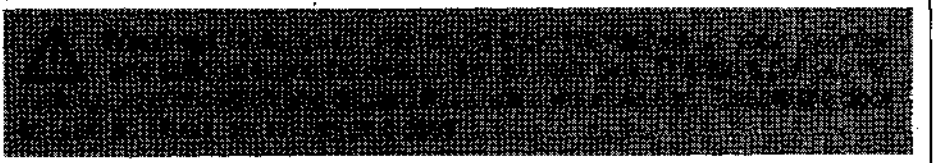
All used packaging materials are environmentally friendly and reusable.
The cardboard parts are produced from recycled paper, and the wood parts are untreated.
The plastics are marked as follows:
>PE< for polyethylene, e.g. packaging foils
>PS< for polystyrene, e.g. padding (basically CFC-free)
>POM< for polyoxymethylene, e.g. plastic clamps

By recycling and reuse of the packaging, raw materials can be saved and the volume of refuse reduced.

Give the packaging for reuse to your local recycling centre. Your municipal or local authority will give you its address.

Disposing of your old machine

When your machine needs replacing and you withdraw it from service, you should render it unserviceable before having it disposed of.



Marking of plastic parts for graded recycling:
All plastic parts in your machine are marked with internationally standardised abbreviations (e.g. >PS< for polystyrene). When your machine is disposed of, this enables plastic waste to be sorted into individual types for environmentally conscious recycling.

Take your decommissioned machine to your local recycling centre or dealer, who will take it back from you for a small handling charge.

Operating your dishwasher economically and with regard for the environment

Connect your dishwasher to the hot water supply if you have a modern hot water system. For electrically heated installations, you are recommended to connect your dishwasher to the cold water supply.

Do not pre-rinse your dishes under running water.

Collect your dirty dishes, stack them in the dishwasher, and only wash them when both baskets are full, making sure that the latter are never overloaded. Only then can you be sure that you are machine-washing economically and with regard for the environment.

Always select the programme corresponding to the type of crockery and degree of soiling (see "Programme chart").

Never overdose detergent, special salt, and rinse aid. Follow the dosage recommendations in these operating instructions as well as the instructions given by manufacturers of these products.
Make sure that the water softener is correctly set.

Unsuitable crockery

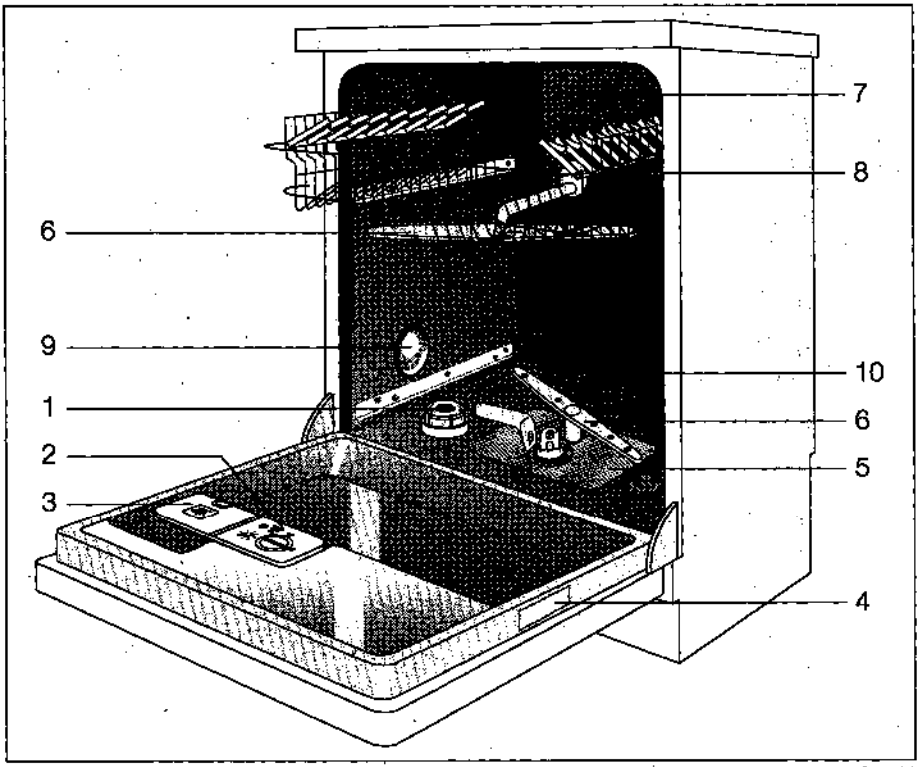
The following are unsuitable for machine washing:
- wooden boards or platters
- non-heat-resistant plastic parts
- lead crystal glass
- tin or copper items
- glued crockery or cutlery
- older types of cutlery with temperature-sensitive adhesive
- steel knives that are liable to rust
- cutlery with wood, horn, porcelain, and mother-of-pearl handles.

Crockery that may be suitable for your dishwasher

The following items have certain machine washing limitations:
- Only wash earthenware crockery in your dishwasher if the manufacturer has expressly indicated it as being suitable for that purpose.
- Some types of decoration which have been painted over the glaze may fade after frequent machine washing.
- Silver and aluminium parts tend to discolour during machine washing.
- Many food residues, such as egg white, egg yolk, mustard, often cause discolourations or staining on silver. Silver crockery and cutlery should therefore always be cleaned free from food residues if they are not washed immediately after a meal.
- Some types of glass may become cloudy after many washing cycles. You should therefore continue to hand-wash especially valuable glassware.

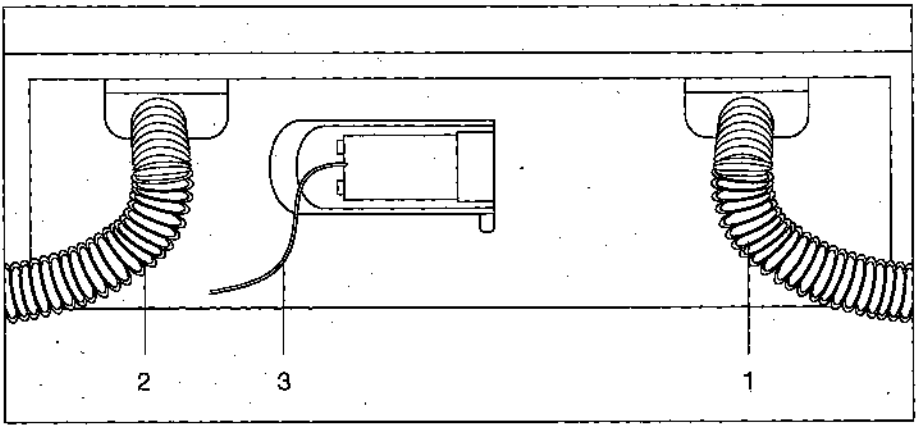
When buying new crockery and cutlery, confirm that they are dishwasher-safe.

Machine appearance



GA 5 (1)

Fig. 1



GA 3

Fig. 2

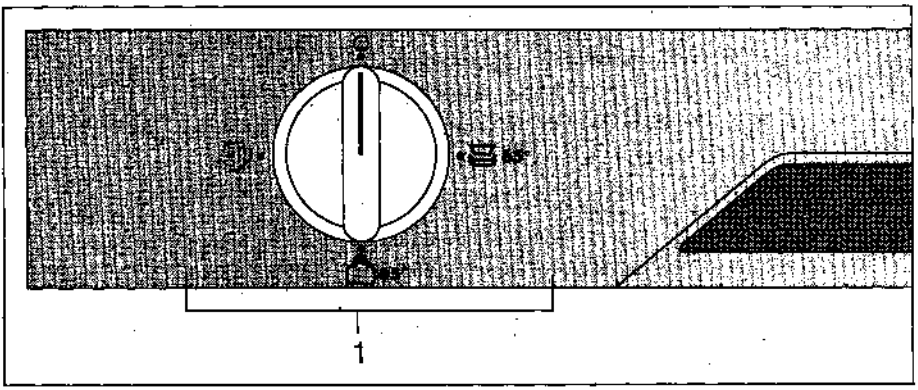
Inside view

1 Dishwasher salt container
2 Rinse aid dispenser
3 Detergent dispenser
4 Rating plate
5 Strainers
6 Spray arms
7 Ceiling spray
8 Rubber seal for connection of water supply to upper spray arm
9 Hardness range switch
10 Heating element

Rear view

1 Supply hose
2 Drain hose
3 Electrical supply lead

Control panel



BB 20L

Fig. 3

1 Programme selector

○ Switched off

The machine is simultaneously switched on when the programme selector is turned to one of the dishwashing programmes.

65° 65 °C Normal

65° 65 °C Economy

Extra pre-rinse

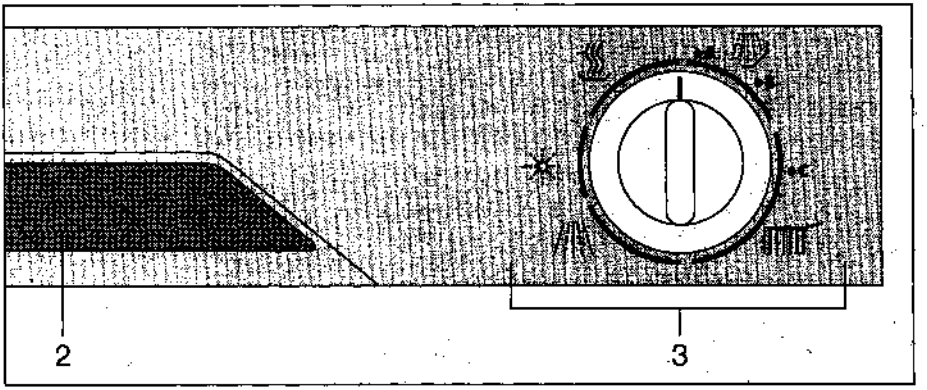


Fig. 3 BB 20R

2 Door release handle with flap

3 Programme switch and programme cycle indicator
Programme switch: For setting programme starting point A, B or C (see also "Programme chart").
Programme cycle indicator: While the programme is running, the programme switch cycles forward, indicating the status of the programme in each step.

- Pre-rinse
- Washing with detergent
- Intermediate rinse
- Rinsing with rinse aid
- Drying

Washing programmes	Suitable for:	Setting the programme: Turn programme switch to	Turn programme selector to
65 °C Normal BIO	Normally soiled tableware and cookware with fragile parts (e.g. glass, plastic).	B	
65 °C Economy BIO	Normally to slightly soiled table, coffee, or dessert crockery and fragile glassware.	C	
Extra pre-wash	Used crockery collected in the dishwasher for washing at a later time.	A	

Programme cycle	Average programme duration[1] in minutes for cold water connection	Average energy consumption[1] in kWh for cold water connection	Average water consumption[1] in litres
Pre-wash Washing with detergent Intermediate rinse Final rinse with rinse aid Drying with hot air	69	1.5	20
Washing with detergent Intermediate rinse Final rinse with rinse aid Drying with hot air	60	1.5	16
Pre-wash	10	0.1	6

[1] Values have been determined under normal conditions. Deviations are possible under practical conditions.

Before using your dishwasher for the first time

To ensure protection of the crockery baskets during transport, we have packed them with clamps. Please remove all clamps before operating your dishwasher.

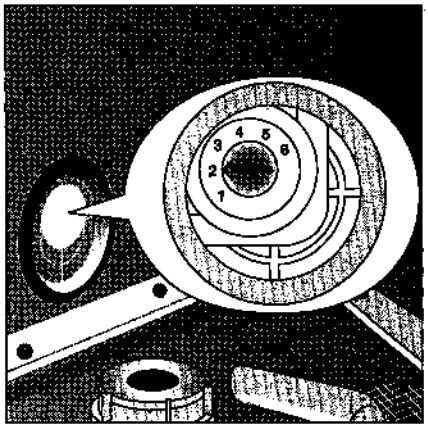
When your new dishwasher is correctly set up and installed, you must first make it ready for use.
Before using your dishwasher for the first time, proceed as follows:
– set the water softener;
– fill the special salt container with special salt;
– fill the rinse aid dispenser with rinse aid.

The following sections give you more detailed information on the individual points.

Setting the water softening system

Soft (low-lime) water is necessary for machine washing to avoid lime deposits on crockery and in your dishwasher. Tap water with a hardness above 4 °d' (German degree) must therefore be softened for machine washing.
For this purpose, your dishwasher is fitted with a water softener. The water softener is treated (regenerated) automatically and at regular intervals with salt solution. The salt consumption needed for regeneration thus depends on the local water hardness. Your competent water company will provide you with information about water hardness in your locality.
To ensure optimum regeneration of the water softener:
– the water softening system must be set to the local water hardness;
– the dishwasher salt container must always be filled with special salt.

To ensure minimum salt consumption with optimum washing results, your dishwasher is fitted with an electronic hardness range setting with six possible stages.



WHB (1)

Fig. 4

Hardness range	Water hardness		Stage setting
	in °d[1])	in mmol/l[2])	
IV	51–70	9.1–12.5	6
	36–50	6.4–9.0	5
	29–35	5.1–6.3	4
	22–28	3.9–5.0	3
III	15–21	2.6–3.8	2*
I/II	4–14	0.7–2.5	1
I	below 4	below 0.7	1 no salt necessary

[1]) [°d] German degree, measure of water hardness
[2]) [mmol/l] Millimol per litre, international water hardness unit
*) Factory setting

❒ Open the door, and take out the lower basket.
❒ Set the hardness range switch, e.g. with a coin, as shown in the table to the relevant water hardness in your locality. The arrow must then point to the corresponding figure.

Filling with special dishwasher salt

Important:
If the water hardness in your locality is below 4 °d, you need not fill your dishwasher with special salt.

Important note:
Use only special dishwasher salt. Other types of salt (e.g. cooking salt) often contain water-insoluble components which choke the water softener and may render it unserviceable.
Salt and detergent packs often look very much alike. Detergent inadvertently poured into the salt container will damage the water softener. Each time you fill it with special salt, make sure you are really holding a salt pack in your hand.

❒ Open the door, and take out the lower basket.
❒ Unscrew the cap of the salt container by turning it anticlockwise.

Only when using your dishwasher for the first time: Fill the salt container with around 1.0 litre of water.

❒ Fill the salt container with special salt. The container holds around 1.0–1.5 kg depending on the salt grain size. Do not overfill the container, so that there is still room remaining for the salt indicator.

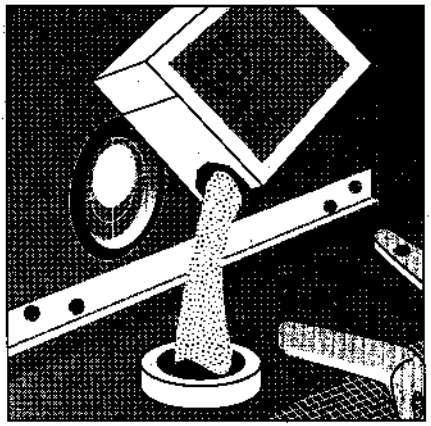


Fig. 5 SAE 1 (1)

- ❒ Clean the container opening free so that no salt residues exist.
- ❒ Screw the cap back on clockwise. The cap must be tightly closed, since salt will otherwise find its way into the rinse water and may make your glasses cloudy.
- ❒ If you do not wash your crockery immediately after filling with salt, run the PRE-WASH programme to rinse away any salt water and salt grains that have been spilt.

Salt replenishment indicator
The green mark under the cap tells you that there is still sufficient salt in the container. If the green mark is no longer visible, you must replenish the container with special salt. Depending on the grain size of the salt, it may take several hours for the green mark to reappear.

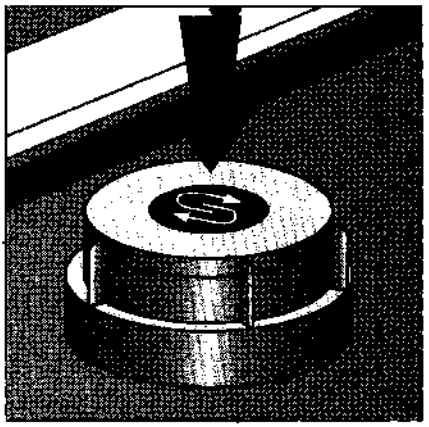


Fig. 6 SNA 1 (1)

Important:
At water hardnesses below 4 °d, you need not fill your dishwasher with special salt. In this case, the green mark under the cap is also no longer visible. This implies no loss of machine function.
If salt is deposited in the plug cap window, the green mark can no longer be easily detected. In this case, please clean the plug cap by holding it under running water until the window is transparent again.

Filling with rinse aid

The rinse aid ensures that the last rinse water flows off, leaving no drops, and gives your crockery its final sparkle. During a washing programme, rinse aid is automatically dispensed from the dispenser.

Important note:
Use only a branded rinse aid for domestic dishwashers. Other agents, e.g. vinegar essence, may damage your machine and do not produce the desired effect. Detergent (also liquid detergent) inadvertently poured into the dispenser will damage your machine.

The rinse aid dispenser is located inside the door.

- ❒ Open the door.
- ❒ Open the dispenser by twisting the cap ¼ revolution anticlockwise.
- ❒ Fill with rinse aid max. up to the dotted line. The maximum capacity is around 150 ml.

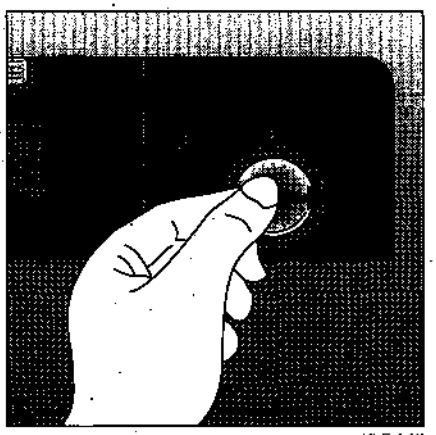


Fig. 7 KLE 1 (1)

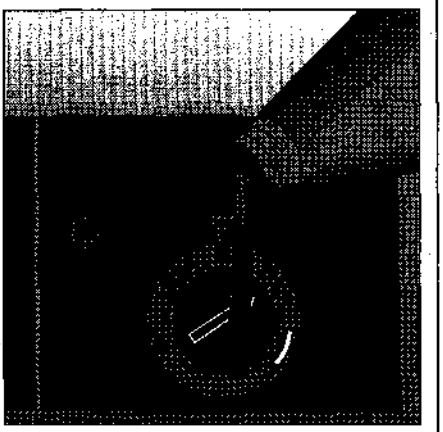


Fig. 8 KLE 2 (1)

- ❒ Then close the cap again by twisting it clockwise.
- ❒ Wipe off any spilt rinse aid with a cloth, otherwise too much foam will be produced during washing.

Rinse aid replenishment indicator
You must replenish rinse aid when the display window on the rinse aid dispenser (Fig. 8/arrow) shows a dark spot surrounded by a bright ring ◉ . When the rinse aid dispenser is full, the display window appears uniformly dark.

Setting the rinse aid quantity to be dosed

The dispensing unit is located inside the filling opening of the rinse aid dispenser. You can use it to set the rinse aid quantity on a scale of 1–6 corresponding to a 1–6 cm^3 rinse aid addition. The rinse aid dosage is factory-set to "3". At this setting, there is sufficient rinse aid in the full dispenser for around 50 washing programmes.

You should adjust the amount dispensed if you discover imperfect crockery results (see the section on "If you think your dishwasher is not working properly").

- ❒ To set the dose, open the dispenser by twisting the cap ¼ revolution anticlockwise (Fig. 7).
- ❒ Set the dose selector to the required position with a screwdriver.

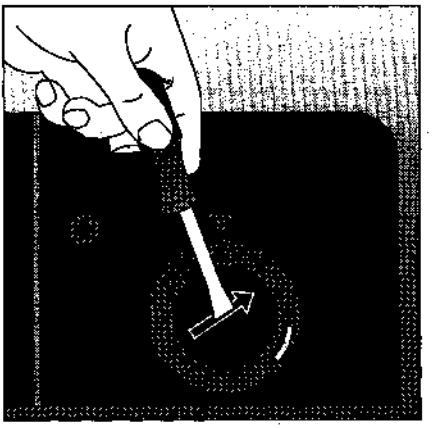


Fig. 9 KLD 1 (1)

- ❒ Then close the cap again by twisting it clockwise.
- ❒ Wipe off any spilt rinse aid with a cloth.

Filling with detergent

Important! Never use conventional washing-up liquids. The latter cause heavy frothing, may even imply a loss of machine function, and the dishes will not be cleaned. Use only branded dishwasher detergent for domestic dishwashers. Always store the detergent in a dry place in a sealed container. Lumpy detergent will not clean dishes.

Before starting a washing programme (except "Pre-wash"), you must fill the detergent dispenser with dishwasher detergent powder. The detergent is automatically dispensed during the programme.

Recommended dose for fully loaded baskets:

	Normally soiled	Heavily soiled, especially with starch and fat
Dishwashing powder	around 20 ml	around 30 ml
Dishwashing liquid	around 30 ml	around 40 ml
Tablets	1	1

When washing smaller crockery loads, you should dose correspondingly less detergent.

Detergents may vary in terms of their effectiveness. You should therefore follow the dosage recommendations of each detergent manufacturer.

The detergent dispenser is located inside the door. If the lid is closed:

❒ Press the cap lever forwards (Fig. 10/1). The lid will spring open.

❒ Fill the detergent dispenser with detergent.
The marking lines are intended to help you achieve the correct dosage. "MIN" corresponds to around 30 ml and "MAX" to around 40 ml detergent when filled level.

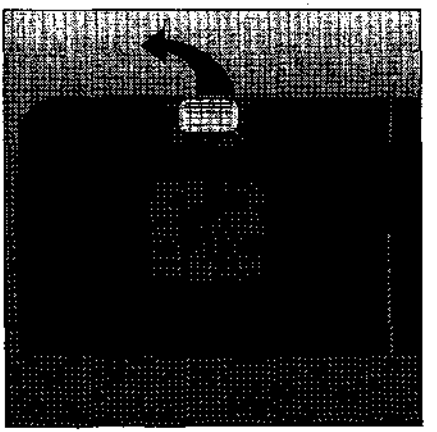


Fig. 10 RME 1 (1)

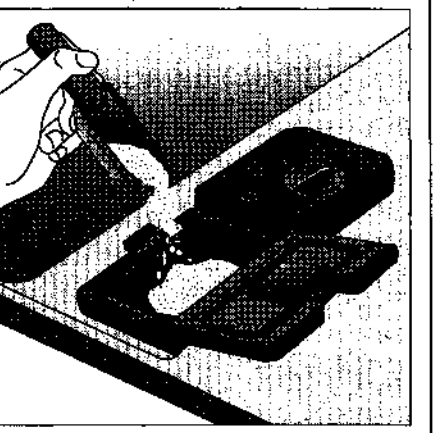


Fig. 11 RME 2 (1)

❒ Press the lid shut until the cap engages.

When washing heavily soiled crockery, you have the option of putting additional detergent in the cap dispenser (Fig. 10/2). Fill the cap level. This detergent will be already effective during Pre-wash.

Before loading your machine with dishes:
- remove larger food residues that are not soluble in water, such as e.g. fish-bones, other bones, etc.;
- pans with burnt-on food residues should be pre-soaked in water.

Proper arrangement ensures perfect washing results.
Arrange all hollow containers, such as cups, glasses, saucepans, etc., with the opening facing downwards.
Make sure that no water can collect in the recesses.
Basically arrange crockery and cutlery so that they do not lie inside each other and each item has good contact with the washing water.
Glasses should not touch each other so that glass damage is avoided and no stains are retained during drying.
Make sure that small items cannot fall through. You are recommended to place small objects (e.g. lids) in the cutlery basket.

The easiest way to load the baskets is from back to front.

Important! Tall crockery or cutlery or that which projects downwards out of the baskets may obstruct the spray arms. This will seriously impair the washing results. Before starting a washing programme, check that the spray arms freely rotate. Arrange the crockery around them as appropriate.

Lower basket

Large, heavily soiled dishes are best cleaned in the lower basket.

Important note! The high temperature in the immediate vicinity of the heating element may deform or even melt plastic parts. Therefore arrange plastic parts in the upper basket.

- ❒ Draw out the lower basket to its fullest extent.
- ❒ Arrange large and heavy dishes, such as plates, bowls, pans, etc., in the lower basket.

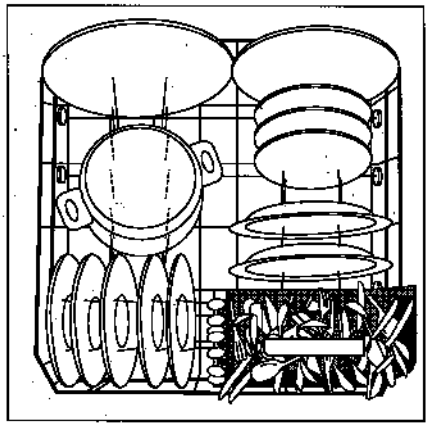


Fig. 12 UK 1 (1)

Cutlery basket

Place knives, forks, and spoons in the cutlery basket with their handles pointing downwards. Also do not arrange spoons and forks with their dirty side in contact with each other.
To prevent cutlery from falling on to each other, you can place the grid insert on the cutlery basket. Then arrange the cutlery in the grid.

Important! Exceptionally long cutlery, such as soup ladles, kitchen knives, or the like, may obstruct the upper spray arm. Such cutlery can be placed in the upper basket.

The spoon strip on the LH side of the cutlery basket should be used for coffee spoons and teaspoons. To unload, you can take the cutlery basket out of the lower basket.

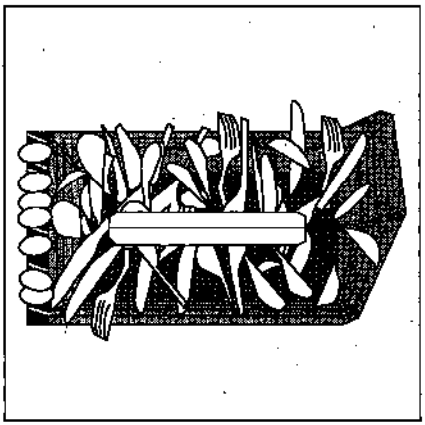


Fig. 13 BK 2

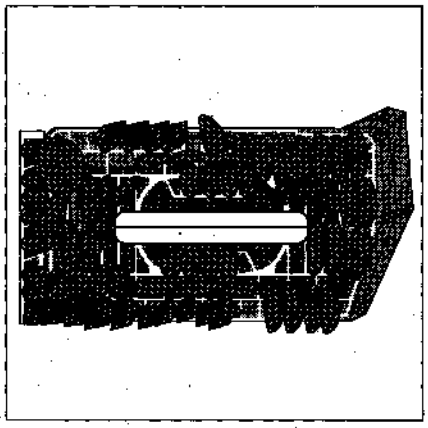
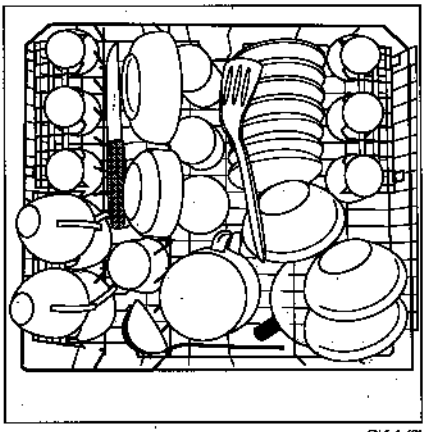


Fig. 14 BK 4

Upper basket

Smaller, more fragile dishes are given a gentle wash in the upper basket.

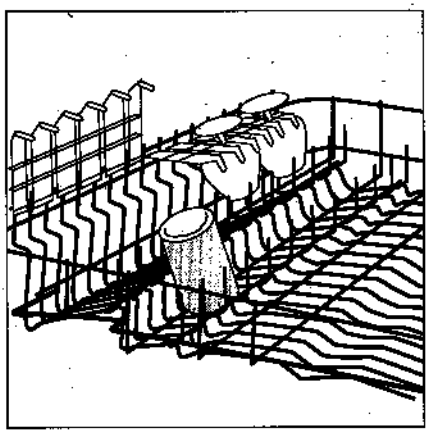
- ❒ Draw out the upper basket to its fullest extent.
- ❒ Arrange small crockery items, such as saucers, cups, glasses, and fragile plastic parts, in the upper basket.



OK 1 (3)

Fig. 15

Arrange items inserted on and under the hinged cup holders in staggered formation to ensure a thorough cleaning action on all sides. To insert tall items, the hinged cup holders can be folded up. You can incline or suspend wine, champagne, and brandy glasses in the recesses of the hinged cup holders. Both rows of glass-holding prongs on the left are also suitable for inclination of glasses, beakers, etc.



OK 3 (1)

Fig. 16

- ❒ After loading, re-insert the upper basket to its fullest extent.

Setting the dishwashing programme

❒ Close the door.
❒ Fully turn on the water tap, if it is off.

Important! If a washing programme has been started despite the water tap being turned off, switch off your machine, turn on the water tap, and reset the washing programme.

Setting the dishwashing programme

❒ Turn the programme switch clockwise to position A, B or C as shown in the programme chart.
❒ Turn the programme selector to the programme you require (see "Programme chart"). The programme starts.
During the programme cycle, the programme cycle indicator cycles forward, indicating the status of the machine washing programme in each step. During heating in the washing and rinse aid cycles, the programme switch remains stationary until the necessary temperature is attained.

Programme correction

❒ You can correct any washing programme you have inadvertently set wrongly by switching off your machine with the programme selector (○ position).

❒ Reset the washing programme you require.

Interrupting the programme

❒ A running washing programme is interrupted if you open the door.
❒ Reclose the door. The washing programme restarts from the position where it was interrupted.
❒ You should open the door during the programme cycle only when absolutely necessary. When you reclose the appliance, the penetrating air is strongly heated and expands. This may lead to programme cycle irregularities requiring service centre attention.

Switching off/unloading your dishwasher

Switching off

When the programme has ended:
Turn to programme selector to the "O" position.

Important:
When the programme has ended, the dishes should be left in the closed dishwasher for a further 15 minutes for complete drying and cooling. You can accelerate the drying and cooling phase by fully opening the door momentarily when the programme has ended and then leaving it ajar.
However, please note that if your machine is installed under a kitchen worktop, escaping steam may damage the worktop. Its underside must be protected against rising steam with aluminium foil as prescribed.

Unloading your dishwasher

Important note! Hot crockery is sensitive to shocks. You should therefore let your dishes cool before taking them out.

- First take out the dishes from the lower basket and then from the upper basket so that no water from the recesses in the crockery above can drip on to articles below and leave stains.

Appliance care

Clean the screen and controls of your dishwasher where necessary with a soft cloth and lukewarm water.

Important note! Never use commercially available furniture cleaners or aggressive detergents.

The spray arms do not need to be cleaned.
The tank lining, door seal and water inlet should be checked occasionally for pollution and when necessary cleaned.

Cleaning the strainers

The strainers on the floor of your dishwasher are to a major extent self-cleaning. You are nonetheless recommended to check the strainers from time to time and to clean them where necessary. Soiled strainers impair washing results.

- ❒ Open the door, and take out the lower basket.
- ❒ The strainer system of your dishwasher consists of 4 parts (coarse strainer, fine strainer, microfilter, and strainer panel). The system can be unlocked and removed using the handle of the microfilter.
- ❒ Turn the handle about ¼ revolution anticlockwise and remove.

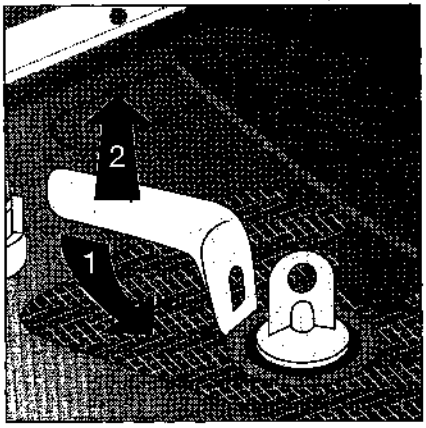


Fig. 17 RS 1 (1)

- ❒ Hold the coarse strainer (1) by the lug and withdraw it together with the fine strainer (2) from the microfilter (3).
- ❒ Detach the fine strainer (2) from the coarse strainer (1).

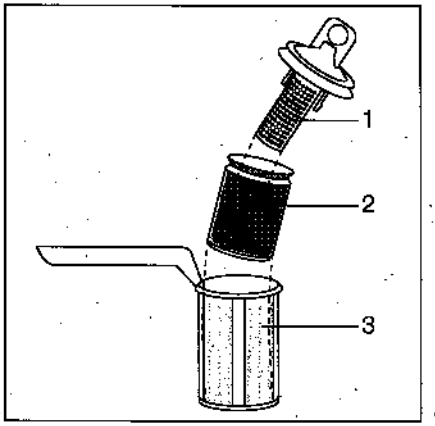


Fig. 18 RS 2

- ❒ Thoroughly clean all strainers under running water.
- ❒ Remove the strainer panel (4) from the floor of your dishwasher and thoroughly clean it on both sides.

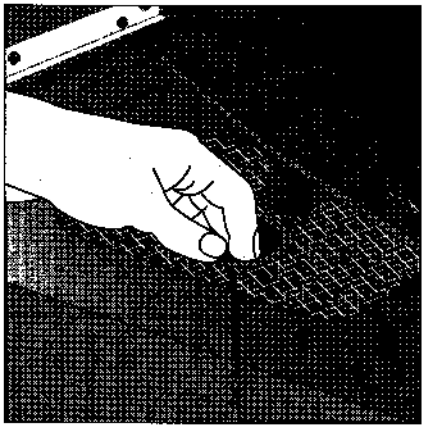


Fig. 19 RS 3 (1)

- ❒ Re-insert the strainer panel in the dishwasher floor.
- ❒ Insert the coarse and fine strainers in the microfilter and put together.
- ❒ Insert and lock the strainer combination by turning the handle clockwise. Make sure that the outer edge of the strainer panel rests correctly on the dishwasher floor.

Important note! Never carry out a washing programme without a strainer.

If you think your dishwasher is not working properly

Before calling our service centre, please check whether you can rectify the fault yourself by following the instructions given below. Should this information be of no assistance to you in a specific case, please contact our service centre.

❒ **The drain pump runs continuously – even when your machine is switched off.**

– The water protection system has responded. First turn off the water tap. Then pull out the mains plug. If you have a fixed connection: switch off the fuse(s) or unscrew the screw-in fuse(s). Call our service centre to determine the fault.

❒ **The programme will not start.**

– Are the fuses in the fixed wiring in order? Is your machine connected to the electricity supply?
– Have you closed the door properly? Press the door shut.

❒ **No water flows in.**

– Have you turned on the water tap?
– Is the strainer in the hose screw connection on the water tap choked? Clean the strainer if necessary.
– Is the water supply hose kinked? Check hose running (see the section on "Water supply").

❒ **The programme cycle indicator sticks at the beginning of washing with detergent.**

– Have you turned on the water tap?
– Is the strainer in the hose screw connection on the water tap choked? Clean the strainer if necessary.
– Is the minimum water pressure of 1 bar available? (see the section on "Water supply").

❒ **The water is not pumped away.**

– Is the drain hose kinked, squashed or twisted? Please ensure correct running. (See section on "Water drainage".)
– Is the sink trap obstructed? Check the sink trap.

❒ **The crockery is not clean.**

– Have you selected a programme that is suitable for the type and degree of soiling of your crockery? (see "Programme chart").
– Have you arranged the crockery so that the sprayed water has access to all surfaces, both internal and external? The crockery baskets must not be over-filled (see the section on "Arranging the crockery").
– Have the spray arms been obstructed by crockery or cutlery? Please note that, for better drainage of residual water at the programme end, the upper spray arm obliquely tilts when it comes to rest. When operational, it automatically runs in the horizontal position.
– Are all strainers on the floor of your dishwasher clean? Are the strainers inserted properly (see the section on "Cleaning the strainers").
– Have you used sufficient detergent? (see the section on "Filling with detergent").
– Have you used branded detergent?
– Is the drain hose correctly run? (see the section on "Water drainage").

- Is there still special salt in the salt container? Without special salt, the water will not be softened. At water hardnesses above 4 °d, lime deposits will form on your dishes (see the section on "Filling with special dishwasher salt").
- Have you set the water softener to the local water hardness? (see the section on "Setting the water softening system").

❒ **The dishes do not dry and have no sparkle.**
- Have you used a branded rinse aid?
- Is there sufficient rinse aid in the dispenser? (see the section on "Filling with rinse aid").

❒ **Glasses and dishes have streaks, stripes, milky blotches, or blue-coloured blooms.**
- The rinse aid is being overdosed. Set a lower rinse aid dosage (see the section on "Setting the rinse aid quantity to be dosed").

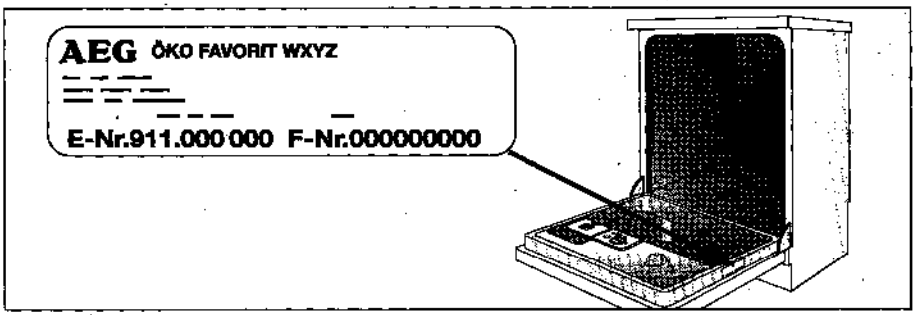
❒ **Glasses and dishes have dried-on water drops.**
- The rinse aid is being underdosed. Set a higher rinse aid dosage (see the section on "Setting the rinse aid quantity to be dosed").
- The detergent may be the cause. Contact your detergent manufacturer's consumer services manager.

❒ **Rust marks can be seen inside your machine.**
- The dishwasher interior is made of stainless steel. If rust is found inside your dishwasher, this must be from another source (rust in water, from saucepans, cutlery, etc.). Remove such marks with a commercially available stainless steel cleaner.
- Have you dosed the detergent correctly? (see the section on "Filling with detergent").
- Is the lid of the salt container closed properly? (see the section on "Filling with special dishwasher salt").
- Have you set the water softener correctly? (see the section on "Setting the water softening system").

In the section on "If you think your dishwasher is not working properly", we have listed the most important faults which you can rectify yourself.
Should you still wish to call our service centre for any of the specified faults or because the appliance is being wrongly operated, the service engineer's visit cannot be made free of charge even during the guarantee period.

Should you find no reference to a fault in the operating instructions, you should call our service centre.

When making your call, quote the E-No. (product number) and F-No. (serial number) indicated on the rating plate. It is located on the RH inside edge of the door.



KD 1

Fig. 20

To keep these numbers handy, we recommend you enter them here.

E-No. .....

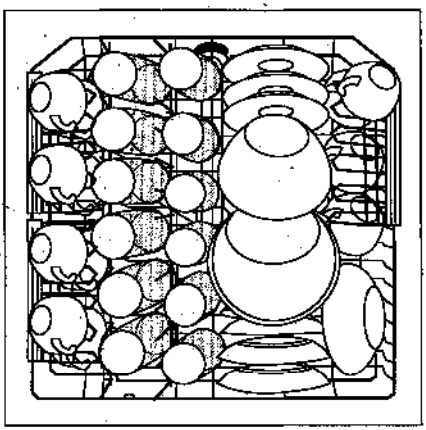
F-No. .....

You specifying these details enables the service centre to make a precise identification of the spare part required so that the appliance can be repaired at the service engineer's first visit without you having to pay extra costs for repeated journeys by the service engineer.

Test standard:	IEC 436/DIN 44990
Reference programme:	65 °C Normal (Detergent type A)
Detergent dosage:	5 g in lid dispenser
	25 g in detergent dispenser
Capacity:	12 standard place settings including serving utensils

Arrangement example:

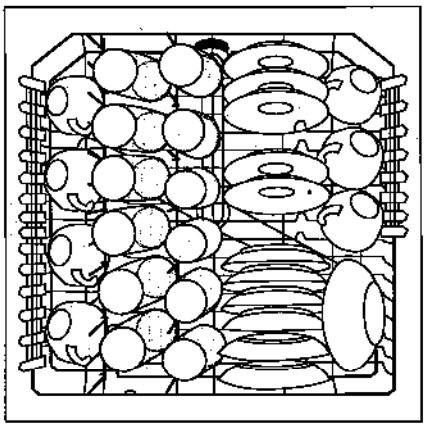
Upper basket



HFP 1 (2)

Fig. 21

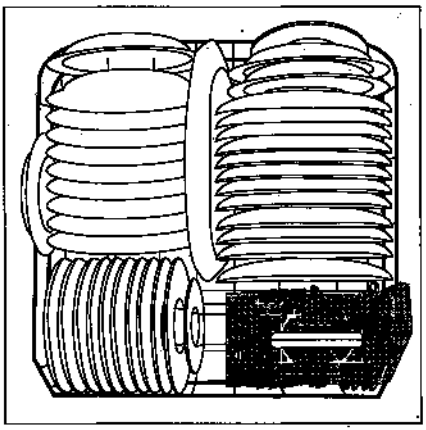
Upper basket



HFP 2 (3)

Fig. 22

Lower basket



HFP 3 (1)

Fig. 23

Capacity
12 standard place settings including serving utensils

Allowable water pressure
1–10 bar (= 10–100 N/cm² = 0.1–1.0 MPa)

Electrical connection
Details of the electrical connection are given on the rating plate. It is located on the RH inside edge of the door.

Dimensions
– Free-standing appliance: 85 x 60 x 60 (H x B x D in cm)
– Build-in appliances: see enclosed Installation Instructions.

CE This appliance complies with the following EC Directives:
– 73/23/EEC of 19. 02. 1973 – Low-Voltage Directive;
– 89/336/EEC of 03. 05. 1989
(including Amendment Directive 92/31/EEC) – EMV Directive.

Installing your dishwasher

Your dishwasher must be installed stably and horizontally (align with a spirit level) on a firm floor. The adjustable feet can be unscrewed with the spanner supplied to equalise floor irregularities and to adjust the machine height to other pieces of furniture.

If your dishwasher is installed under a continuous worktop, please note the following:

- The drain hose, supply hose, and mains lead must retain free mobility when run inside the plinth cavity. This is to prevent the hoses and lead from being kinked or squashed.
- When integrating build-under appliances able to be fitted with a decorative trim are being installed, it must be additionally ensured that the machine is firmly screwed to the continuous worktop or to the adjacent furniture. It is imperative to take this measure to guarantee the necessary tilt safety as per VDE specifications.

Depending on model, the dishwashers should be installed as follows:

Integrating machines (I-models)
To install, see the installation template supplied.

Important:
The appliance door can be lined with a wood panel/furniture panel of the following dimensions:

Width: 591 mm–594 mm
Thickness: 16 mm–24 mm
Height: depending on
- recess height
- plinth height
- matchup to the joint runs of adjacent furniture (e. g. drawer), though max. 600 mm.

Important note! Should the furniture panel be longer than 600 mm, the appliance door cannot be fully opened (the furniture panel bumps against the plinth). In this case, the plinth must be cut out (see installation template) or overlength door hinge kit BLT 60 used. You can obtain this under E-No. 911 239 008.

Build-under machines (U-models) and build-in machines (E-models)
To install, see the installation instructions supplied.

Free-standing machines can be installed free-standing without additional fixing.

Important note: (applies only to free-standing machines with original worktop)
If, for reasons of space, there is no alternative to installing your dishwasher directly next to a gas or electric cooker or coal range, you must interpose a thermally insulated, non-flammable panel (with a depth of 57.5 cm) between cooker and dishwasher. This panel should be coated with aluminium foil on the side facing the cooker.

The original worktops of free-standing machines are around 2 cm depth-adjustable. This enables the worktop to be adjusted to adjacent applicances or furniture.

❒ To make an adjustment, unscrew both screws from the worktop on the machine back.
❒ Slide the worktop forwards or backwards as required.
❒ Re-insert and tighten both screws.

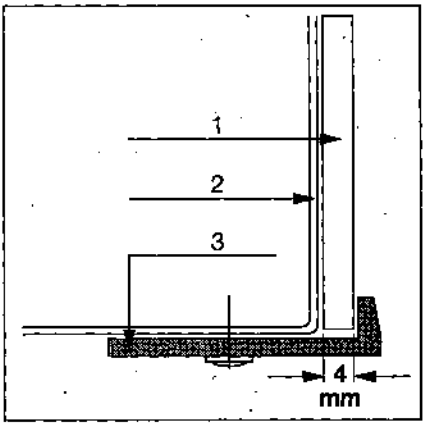
Free-standing machines can be installed under a continuous worktop if the original worktop of the machine is removed.

Installing free-standing machines under a continuous worktop

❒ To do this, unscrew both screws securing the worktop to the machine back.
❒ Push the worktop back with a slight jerk and detach.

Important: The plinth of free-standing machines is not adjustable.

To match the dishwasher to the kitchen decor, free-standing machines can be provided with a decor panel.
Decor panels matching the kitchen decor must be ordered from the kitchen manufacturers. A decor frame is needed for installation. If your free-standing machine is not serially fitted with a decor frame, you can order this as a special accessory from your specialist retailer.
Decor panel dimensions: H 590 x B 581 mm
Clamping thickness: max. 4 mm



AUF 1

Fig. 24

1 Decor panel
2 Door frame
3 Decor frame

To make sure that thin decor panels do not sag or warp, you should fix them to the machine door with double-sided adhesive tape.

Connection

Water supply

Your dishwasher has been built in accordance with the valid regulations governing water-consuming appliances and is equipped with safety devices which prevent used water from flowing back into the drinking water mains. Your dishwasher can be connected to either a cold or hot water supply of max. 60 °C.

Never connect your dishwasher to open hot water appliances and continuous flow heaters!

The supply hose is fitted with a screwed hose connection (to DIN 259) and can be connected to an outlet valve (water tap) with male thread (3/4").
Suitable washers are supplied with the machine. Do not use any washers other than these!
The nut of the screwed hose connection can be tightened by hand. If you require a supply hose which is longer than the one supplied, use only the VDE-approved complete hose kit (obtainable from our service centre) continuously and to adequate length.
Never lengthen existing hoses.

Important note! The supply hose must not be kinked, squashed, or twisted. Please ensure careful running.

To avoid reductions in water supply to the kitchen, we recommend you to install a separate tap. Failing this, fit a branch piece to the existing water tap.
Additional installation expenditure (on the building side) can be reduced by use of conventional sink mixers with a connection and shutoff valve.

Minimum water pressure:
1 bar (10 N/cm², 100 kPa).
If your water pressure is under 1 bar, please ask our service centre for advice.

Maximum allowable water pressure:
10 bar (100 N/cm², 1 MPa).
For a water pressure over 10 bar, a pressure-reducing valve (obtainable from your specialist retailer) must be fitted upstream.

Water drainage

Drain hose connection:
maximum allowable height: 1 metre;
minimum necessary height of 30 cm over lower edge of machine.
For extension hoses, which may be laid horizontally to max. 3 m length, the maximum allowable height of the drain hose connection is 85 cm.

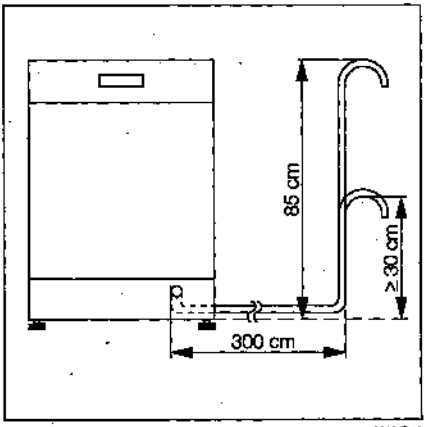


Fig. 25

Important note! The drain hose must not be kinked, squashed, or twisted. Please ensure careful running.

Sink trap connection
The hose connection (19 mm dia.) supplied with the dishwasher will fit all commonly available makes of sink trap.
The unobstructed width of the sink trap connection should not be less than 15 mm.
The drain hose must be fastened to the sink trap connection with the hose clip supplied.

Water drainage into a sink
If you want to run the drain hose on a free-standing machine into a sink, you should use the attachable bend supplied. Fit the bend to the drain hose.

Important note! Make sure that the drain hose does not slip off the edge of the sink.

If you draw a string through the hole, you can also mount the bend on a wall and thus prevent it from slipping off.

Extension hoses
Suitable extension hoses can be ordered from your specialist retailer and original hoses from our service centre. The inside diameter of these extension hoses must be 19 mm to prevent any loss of machine function.

Water protection system

To protect your dishwasher from water damage, it is equipped with a water protection system.
Apart from an overflow protection, which prevents uncontrolled rising of water in the appliance, it also features an outlet protection (float switch in the floor tray). This responds in the event of any untightness in the machine.

In all cases of malfunction, the water supply is immediately interrupted and the drain pump switched on. This prevents water from either flowing out or overflowing. Any residual water in the appliance is automatically pumped away. The pump also operates even if the machine is switched off and should not be disconnected from the electricity supply.

A fault is recognised by the fact that a pump noise can be heard – even when the machine is switched off.

❒ If a fault occurs, first turn off the water tap. Then pull the plug out of the plug socket. If there is a fixed connection, switch off or unscrew the fuse(s).

Electrical connection

According to the technical connection conditions of the electricity companies, a fixed connection to the mains supply may only be made by an approved electrical installer.

Comply with the VDE specifications when connecting the machine and also where necessary with the additional regulations of the local electricity companies. After installation, live parts and insulated lines should not be accessible with the test finger to EN 60335/DIN VDE 0700.

Details of the electrical connection are given on the rating plate. This is located on the RH inside edge of the door. If the machine is convertible, the changeover diagram directions given on the mains junction box must also be observed.

During appliance connection, it is essential to ensure that the nominal voltage and current type specified on the rating plate are the same as the mains voltage and current type at the installation site. The necessary electrical fusing is also indicated on the rating plate.

To disconnect the dishwasher from the mains supply, pull out the plug. Should the appliance have a fixed wiring connection with the mains supply, it must be disconnected by appropriate measures on the fixed wiring side (fuses, automatic cutout, spurious current protection switch, or the like which have a contact opening width > 3 mm).

WSS-2 GB/EU - BA-1(1) GB/EU

Connection technology

Water supply, water drainage, and power supply connections must always be planned from the side of the dishwasher. There is no room for them behind the machine.

The following illustrations give typical examples of how the sanitary and electrical installation can be performed under different circumstances.

These examples can only be recommendations, since the definitive factors are the circumstances at the installation site, existing connections, and any local connection specifications or regulations of the power supply or water companies.

A Water drainage
B Water supply
C Shutoff valve (UP)
C_1 Two-way valve
D Electrical supply line
E Electrical connection
F 45° or straight union of 19 mm o.d. and 30 mm length
F_1 2 45° or straight unions of 19 mm o.d. and 30 mm length
G Shutoff valve, e.g. integrated in fitting

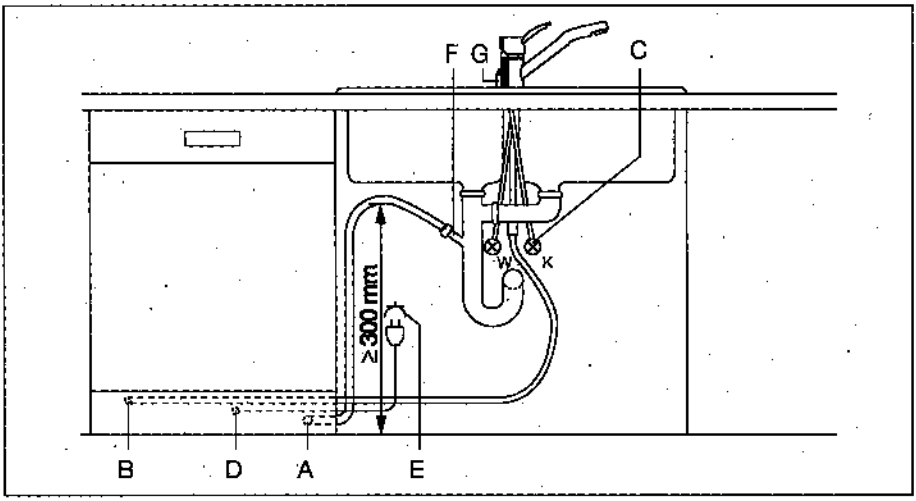


Fig. 26 AT 1(1)

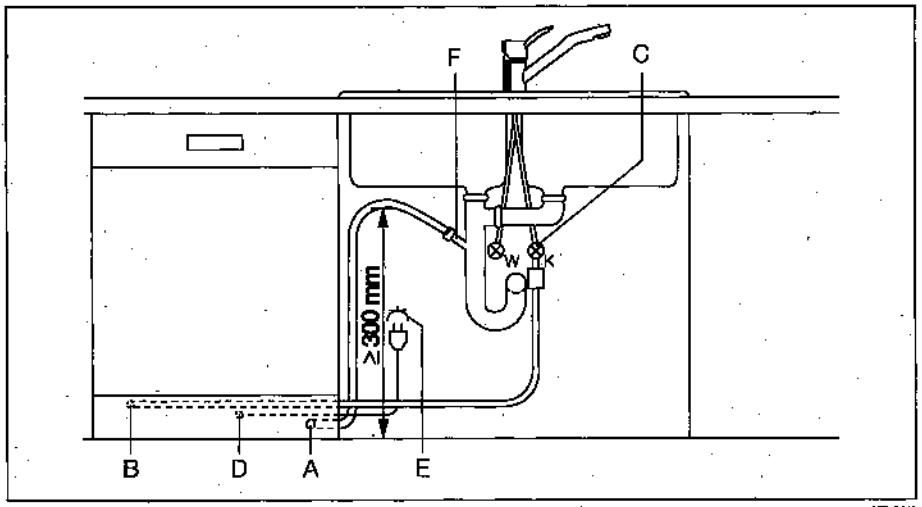


Fig. 27

AT 2(1)

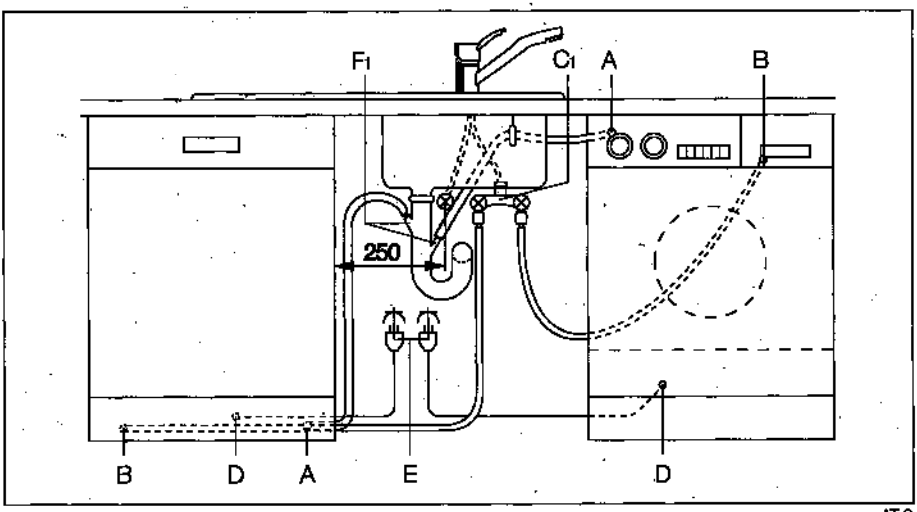


Fig. 28

AT 3

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